INTRODUCTION TO DCS MANUFACTURERS MEETING

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INTRODUCTION

- Task: To Revise the DCPRS Certification Standard

- Project Goal: To greatly increase the data collection capacity of the GOES DCS
  - The focus will be on the physical level
    - More channels, shorter transmissions
  - The logical level (data content and format) is not part of this project

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GOALS FOR THIS MEETING (1)

- Discuss and (hopefully) agree on a revised set of requirements for the HDR CS

- Receive input from manufacturers on proposed changes and solicit suggestions for additional changes

- Design this set of requirements so they can be applicable for at least 10 years

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GOALS FOR THIS MEETING (2)

- Set a schedule that will allow manufacturers and users the maximum possible time to make the agreed changes

- Allow early adopters to take advantage of the changes ahead of the schedule, if NOAA and the affected subgroups of users can agree to do so

- To allow maximum freedom for future changes

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CAPACITY COMPARISON

	CURRENT (Nov 2003)	GOES I/M (WCDAS)	GOES N (DRGS) Current Req'mts	GOES R (DRGS) Proposed Req'mts
Average Data Rate	3.02 kbps	35.9 kbps	53.8 kbps	122.5 kbps
Max msg/hr	8,448 (avg)	58,500	78,840	160,560

NOTES:
1. The international channels in the 402.0 to 402.1 MHz are not included
2. No messages use interleave
3. Current requirements include ±0.5 sec timing tolerance for 300 bps
4. Average 100 bps messages maintain current 15 sec length
5. 300 and 1200 bps users average 5 sec (25%) and 10 sec (75%) allocations
6. Assumed channel assignments by rate (100/300/1200/Guard channels) are 60/112/10/8 for I/M, 0/156/20/4 for N/P, and 0/318/40/2 for R

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